

International Cooperator (IC) Network Status

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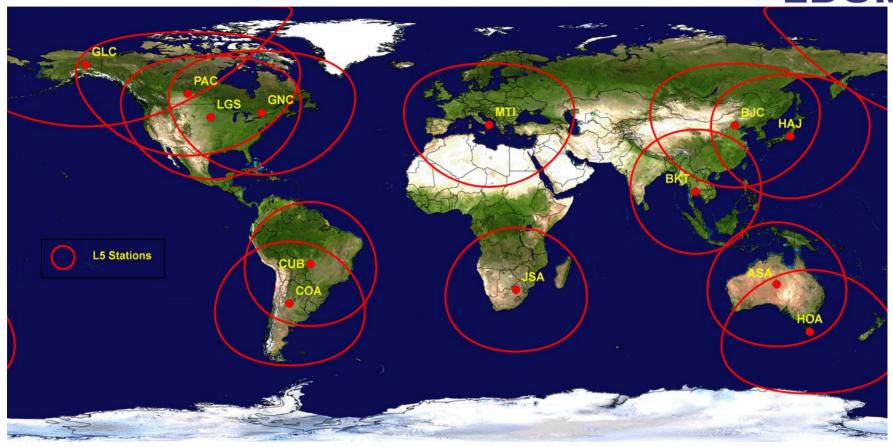
Topics



- L5 Network
- L7 Network
- LDCM ICs
- Upcoming Meetings

L5 Reception Network

LDCM



- COA Cordoba, Argentina
- CUB Cuiaba, Brazil
- GLC Gilmore Creek, Alaska
- GNC Gatineau, Canada
- LGS Sioux Falls, South Dakota
- PAC Prince Albert, Canada

- ASA Alice Springs, Australia
- BJC Beijing, China
- BKT Bangkok, Thailand
- HAJ Hatoyama, Japan
- HOA Hobart, Australia
- JSA Johannesburg, South Africa
- MTI Matera, Italy



L5 IC Status



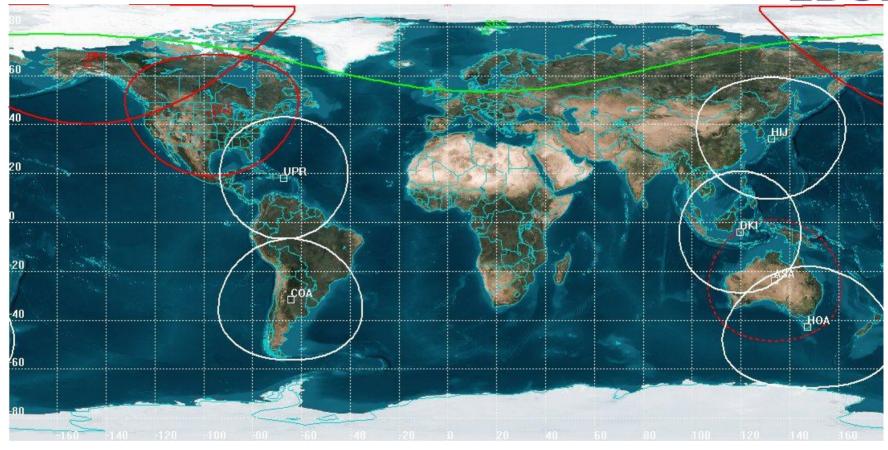
- L5 Battery Anomaly
 - On October 6, 2007 battery 2 temperature spiked from ~14°C to 59°C in approximately 8 minutes
 - Load shedding was implemented as battery 2 was taken off line and Science operations (TM) were suspended while recovery scenarios were investigated
 - Test imaging planned to begin on Thursday, January 10 over Brazil and expanding to Australia and South Africa
 - L5 ICs have been in a wait-and-see mode with an option to return to Landsat 7 reception, if necessary
- MDGLS Campaign and/or new IC Stations
 - CHM Chetumal, Mexico
 - IKR Irkutsk, Russia
 - KHC KaShi, China
 - MGR Magadan, Russia
 - MLK Malindi, Kenya
 - MOR Moscow, Russia
 - MPS Maspalomas, Spain





L7 Reception Network

LDCM



- PF1/PF2 Poker Flat, Alaska
- LGS Sioux Falls, South Dakota
- UPR University of Puerto Rico
- COA Cordoba, Argentina

- ASA Alice Springs, Australia
- DKI Parepare, Indonesia
- HIJ Hiroshima, Japan
- HOA Hobart, Australia
- SGS Svalbard, Norway





L7 IC Status



- L7 Bumper Mode Processing
 - Several L7 ICs have been unable to process L7 data since bumper mode operations began on April 1, 2007
 - USGS Level 1 Product Generation System (LPGS) code and documentation made available – answering implementation questions for Indonesia and Japan
- IC customer acceptance of SLC-off data has been an obstacle
 - Current LPGS software includes L7 ETM+ SLC-on, SLC-off, Gapfilled, Segment-based, and Standard L1T (L7 pilot) products
 - TM processing is being implemented into LPGS with a Summer 2008 delivery anticipated

LDCM ICs



- Current L5/L7 ICs have expressed interest in direct reception of LDCM data
 - Control over the processing 'recipe' is a major factor
 - Quick response is also a factor for some applications
 - Need to address the pre/post dark cal (bias) timing/availability issue
 - Business model is being investigated
 - Due to all LDCM data returning to the US archive and availability of no-cost L1T products, IC fees are likely to be reduced
- LDCM User Portal Element (UPE)
 - Submit scene selections, establish priorities, receive schedules
 - Submit and retrieve metadata & browse
 - Enter high volume archive (data exchange) & product data requests
 - Retrieve Calibration Parameter Files (CPFs)
 - Access to ancillary data (definitive ephemeris, state vectors)
 - Access to auxiliary data (GCPs)





LDCM ICs



- Data Validation & Exchange (DV&E)
 - LDCM plans to mimic many features of the existing L5/L7 implementation
 - Biannual archive (raw) data validation is required (MOU) to support archive data exchange as a backup capability (recorder failure)
 - Annual product (L1G) data validation is offered as an option this will become
 L1T product data validation for LDCM
 - Archive data exchange may be an important capability for the ICs at LDCM launch if their ground station has not yet been upgraded for LDCM downlinks
 - Several archive data exchange (raw, L0Ra) and product data exchange (L0Rp, L1T) processing levels are being investigated
 - Includes metadata & browse exchange
- Thermal capability is desired by many ICs
- Software and/or Algorithm Availability
 - This is desired but may be hampered by Ball OLI proprietary and/or ITAR restrictions



Upcoming Meetings



- ◆ LTWG17 Washington, DC: March 3-8, 2008
- LGSOWG37 Shanghai, China: September 15-19, 2008

